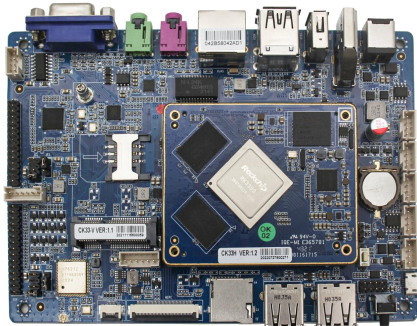# CK33H(CK33-V)

Suitable for: Edge Computing, Industrial Automation, Digital Signage, Medical Care etc; **OEM/ODM available**
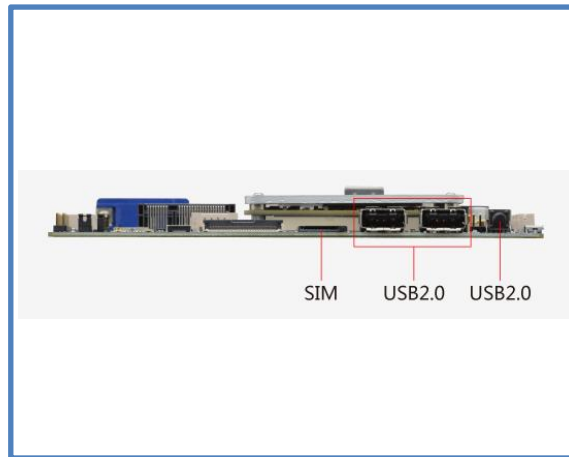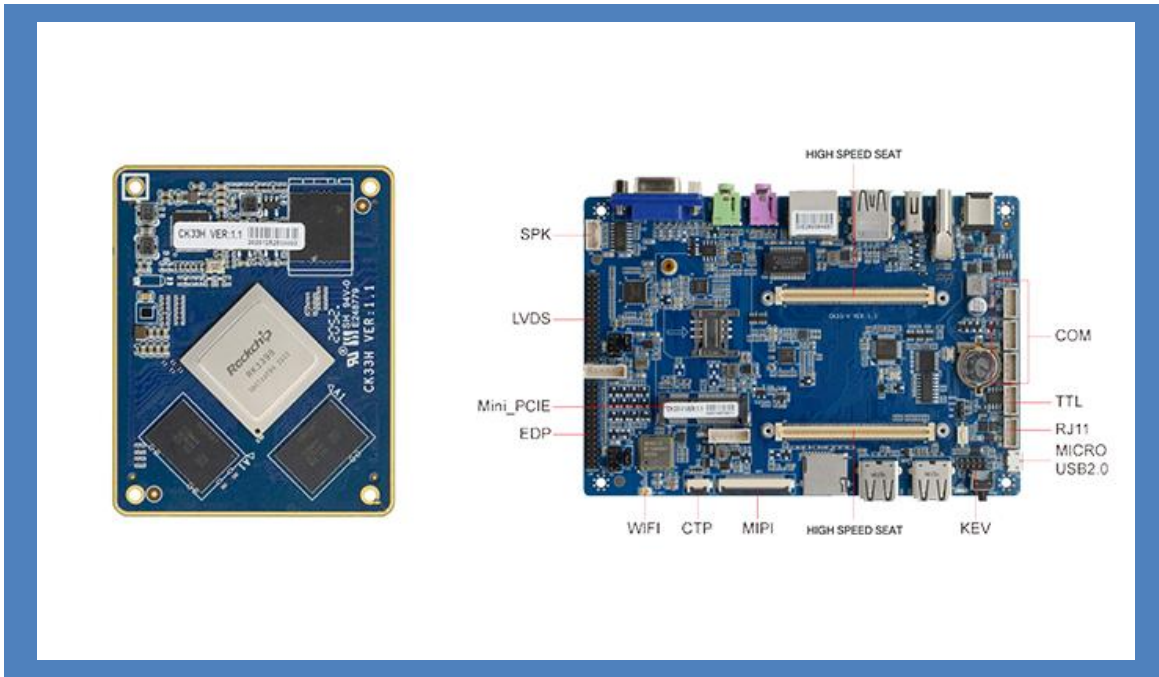
Main Features

- Onboard Rockchip RK3399 Cortex-A72/1.8GHz dual-core and Cortex-A53/1.4GHz Quad-core Processor
- Onboard LP DDR4 4G RAM
- onboard eMMC 32G memory (up to 128GB); 1x TF card slot(up to 64GB)
- 1x RJ45 GbE ports ; 4x USB2.0,1x USB3.0
- 1x VGA, 1x HDMI, 1x LVDS, 1x EDP , 1x MIPI
- 1xMini-PCIE,support 4G module
- Built-in WIFI&BT module
- 4x COM;1x TTL;1x Cash drawer;1x CTP;1x SIM card
- DC_12V Power Input

Specification :

Model No.	CK33H(CK33-V) VER:1.1
Processor	CPU Rockchip RK3399 Dual-core Cortex-A72 up to 1.8 GHz
	Quad-core Cortex-A53 up to 1.4 GHz
Chipset	Based on RK3399 SOC platform
Memory	Onboard LPDDR4 4 G memory
Display	Integrated ARM Mali-T864 GPU, support OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11
	1x VGA, 1x HDMI, 1x LVDS, 1x EDP , 1x MIPI
	Support three screens with the same display / three screens with different display
Network	1x RTL8211F Gigabit Ethernet
	1x WIFI/Bluetooth module
Storage	1x TF Card slot, maximum support 64G
	1x eMMC5. 1 memory chip 32G (16GB/32GB/ 128GB optional)
Audio	Onboard Everest ES8316 Audio chip, support Line-out, MIC, power amplifier support 2Ω5W dual channel
Expansion slots	1x Mini-PCIE slot, support 4G module
Backplane I/O interface	2x USB2.0 interface, 1* USB3.0 interface
	1x HDMI port
	1x Gigabit network interface
	1x Line-out (green)
	1x MICK (red)
	1x VGA port
	1x DC 12V power interface, support 12V power input and output
Front panel I/O interface	1x TF card slot
	2x USB2.0 interface
	1x MICRO_USB2.0 interface
	1x Power switch
Built in I/O interface	1x LVDS interface, 2*15pin, support dual channel 24BIT
	1x EDP interface, 2*15pin
	2x RS232 serial interface, 1*4pin
	1x RS485 serial interface, 1*4pin
	1x TTL serial interface, 1*4pin
	1x Cash drawer interface, 1*4pin
	1x MIPI interface, FPC specification 40pin for connecting to MIPI screen
	1x CTP interface, FPC specification 6pin, used to connect to touch screen
	1x Screen backlight power supply interface, 1*6pin
	1x power amplifier interface, 1*4pin
	1x Front panel function button and indicator port, 2*5pin
	1x SIM card slot
Power Type	DC 12V single power input
GPIO	Support 4 GPIO functions

OS	Android 7. 1, Ubuntu16.04, Linux (Qt+eglfs, pure command mode).
Working temperature	0℃～60℃
Storage temperature	-20℃～70℃
Working Humidity	5%-95% (relative humidity, non-condensing)
Dimension	148mm x 102mm

Ordering info:

NO.	Model	Core Board	Processor	Frequency	Memory	eMMC	EDP	VGA	HDMI	LVDS	DP	WIFI	LAN	USB	COM	Power
1	CK33H(CK33-V) VER:1.1	CK33H	RK3399	1.8GHz	4G	32G	1	1	1	2ch/24BIT	/	1	1*8211F	5	4	DC12V